

Introduction to the EFSA-BfR traceability projects

23.01.2025

Alexander Falenski

EFSA-BfR cooperation on digital traceability

Signing of the framework partnership agreement
in December 2016



Andreas Hensel
President of BfR

Bernhard Url
Executive Director of EFSA

Projects and topics in the eight years of EFSA-BfR cooperation

1st EFSA-BfR Framework Partnership Agreement

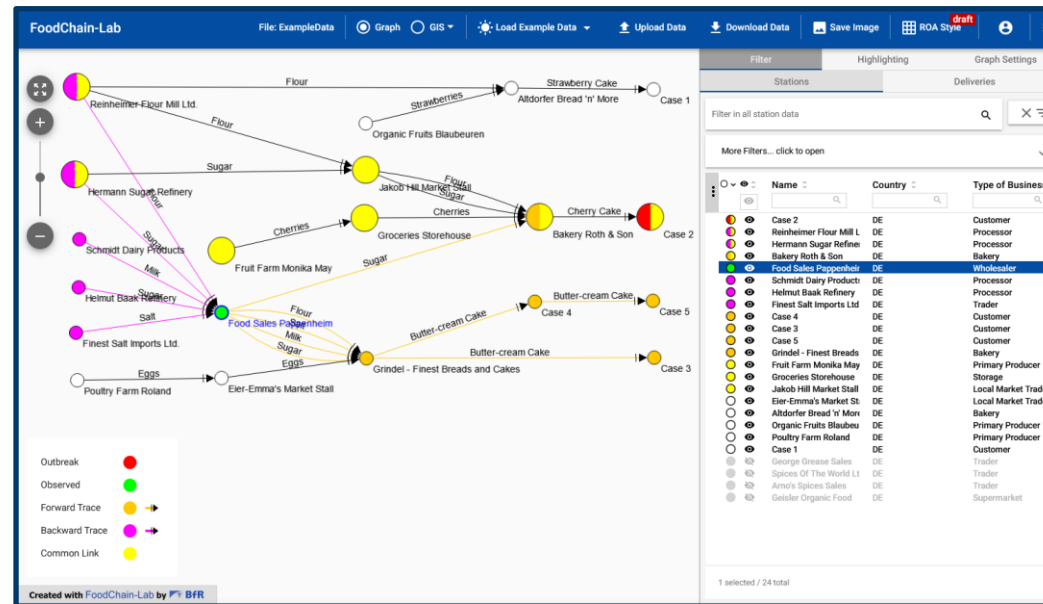
2nd EFSA-BfR Framework Partnership Agreement

Map and analyse global food and feed supply chains

Food & feed classification for tracing purposes

Making FCL software fit for purpose

FoodChain-Lab software development



2017

2018

2019

2020

2021

2022

2023

2024

2025

Projects and topics in the eight years of EFSA-BfR cooperation

1st EFSA-BfR Framework Partnership Agreement

Map and analyse global food and feed supply chains

2nd EFSA-BfR Framework Partnership Agreement

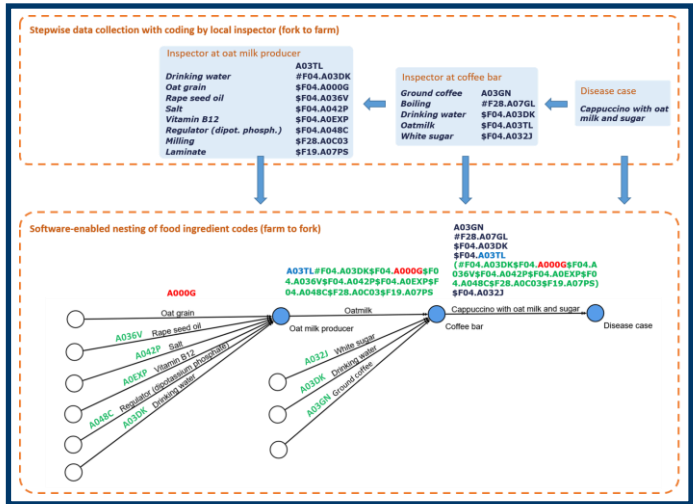
Food & feed classification for tracing purposes

Making FCL software fit for purpose

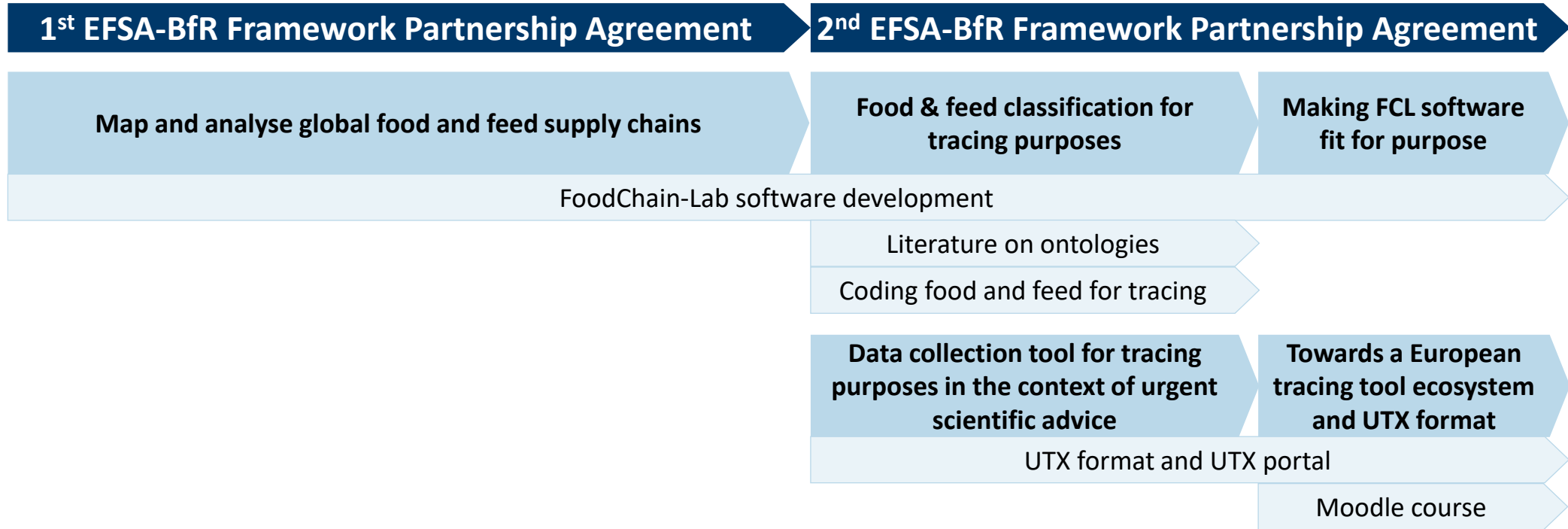
FoodChain-Lab software development

Literature on ontologies

Coding food and feed for tracing

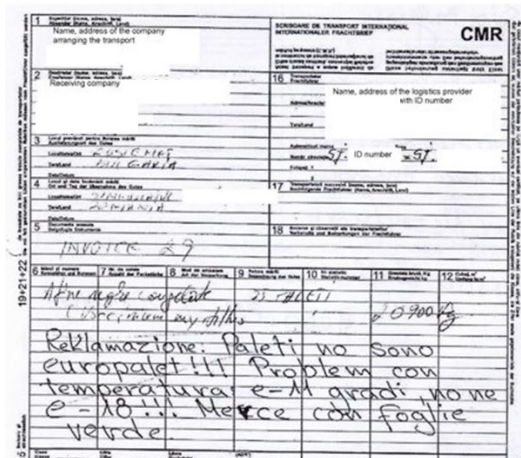


Projects and topics in the eight years of EFSA-BfR cooperation



Many RASFF attachments need data enrichment

- Scans
- Handwritten documents
- Photographies of crumpled product labels
- Excel sheets with headings in a foreign language

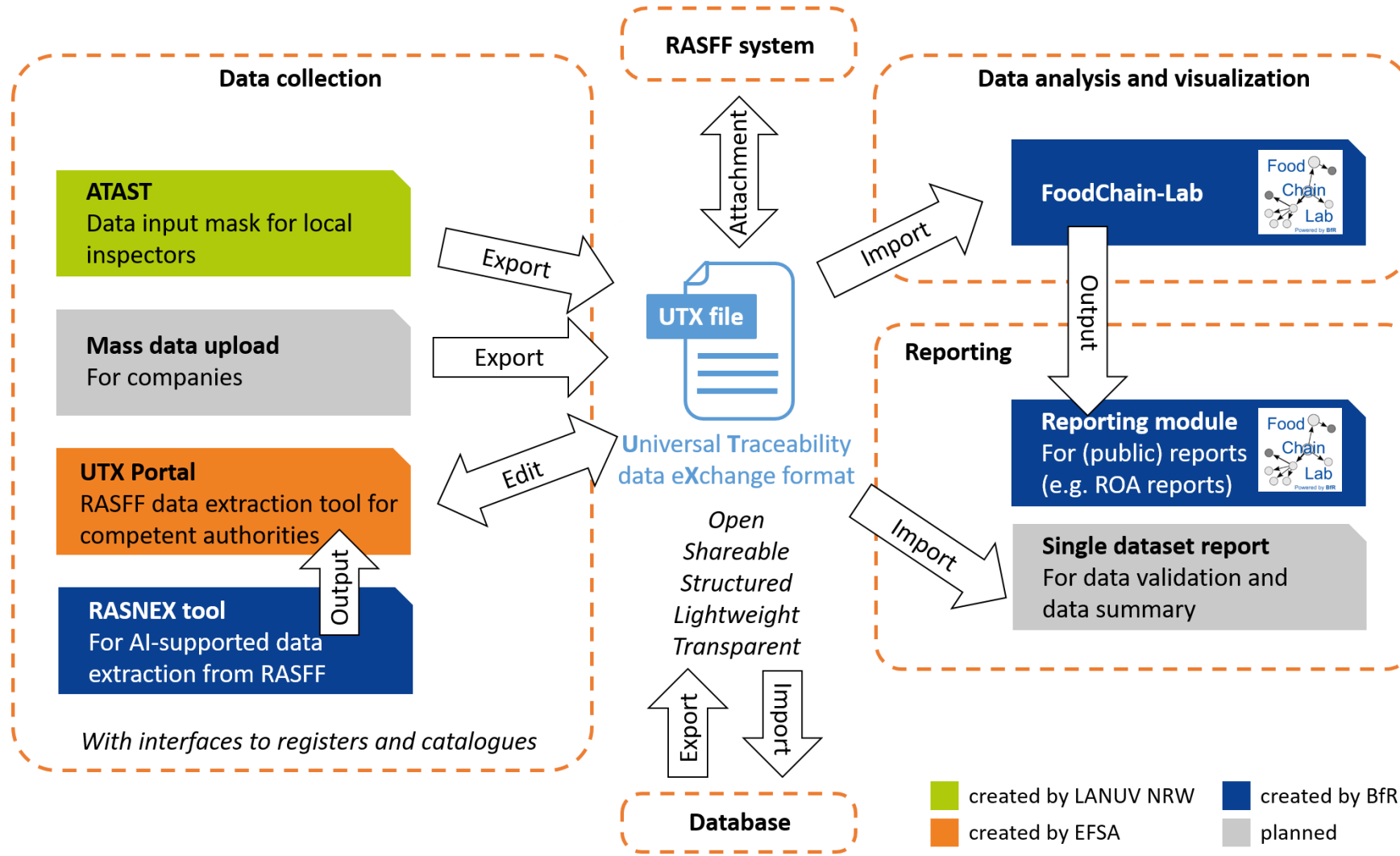


Interoperable,
accessible
software tools

Universal Traceability
data eXchange format

	A	B	C	D	E	F	G	H	I	J
1	قائمة توزيع السلطة يناير 2025									
2	تاريخ البدء	الكود	الاسم	الكمية	الوجهة	القطع	الحجم	وزن القطعة (كجم)	الوجهة	الولاية
3	09.09.2024	040022	Rucola 4X100GR DE ean code.1234567890	10/09/2024	Salad DUBAI LLC	856	107	68,48	PO BOX: 999 United Arab Emirates	UAE
4	09.09.2024	040021	Rucola 4X100GR DE ean code.1234567890	10/09/2024	Salad DUBAI LLC	264	33	21,12	PO BOX: 999 United Arab Emirates	UAE
5	09.09.2024	010090	Rucola 4X100GR DE ean code.1234567890	10/09/2024	Salad DUBAI LLC	296	37	23,68	PO BOX: 999 United Arab Emirates	UAE
6	09.09.2024	010091	Rucola 4X100GR DE ean code.1234567890	10/09/2024	Salad DUBAI LLC	856	107	68,48	PO BOX: 999 United Arab Emirates	UAE
7	16.09.2024	390013	Rucola 4X100GR DE ean code.1234567890	17/09/2024	Salad DUBAI LLC	40	5	4	PO BOX: 999 United Arab Emirates	UAE
8										

The interoperable multiactor food tracing software ecosystem for Europe



Benefits:

- Facilitate data exchange
- Avoid double work
- Easy visualisation + analysis

*Your tool?
Feedback on UTX?*

*Please contact
foodrisklabs@bfr.bund.de*

Understanding UTX – A moodle course



Startseite Dashboard Meine Kurse Website-Administration

Mastering the Universal Traceability data eXchange (UTX) format

Kurs Einstellungen Teilnehmer/innen Bewertungen Berichte Mehr ▾

> Course description

Alles einklappen

▼ Overview & course objectives



This course is designed to provide you with a comprehensive understanding of the Universal Traceability data eXchange (UTX) format. Rather than focusing on the technical intricacies, we will emphasize the key concepts of the UTX format – what it is, how it is structured, and its significance in the food traceability ecosystem. You will explore UTX's role in achieving interoperability between tracing software tools, and its contribution to efficient data exchange.

The course will be delivered through a combination of lectures, readings, videos, and quizzes, ensuring that you gain a thorough understanding of UTX and its impact.

Course objectives

- Understand the principles and importance of the Universal Traceability data eXchange (UTX) format
- Explore the structure and key components of the UTX format
- Understand how UTX enhances traceability and data interoperability

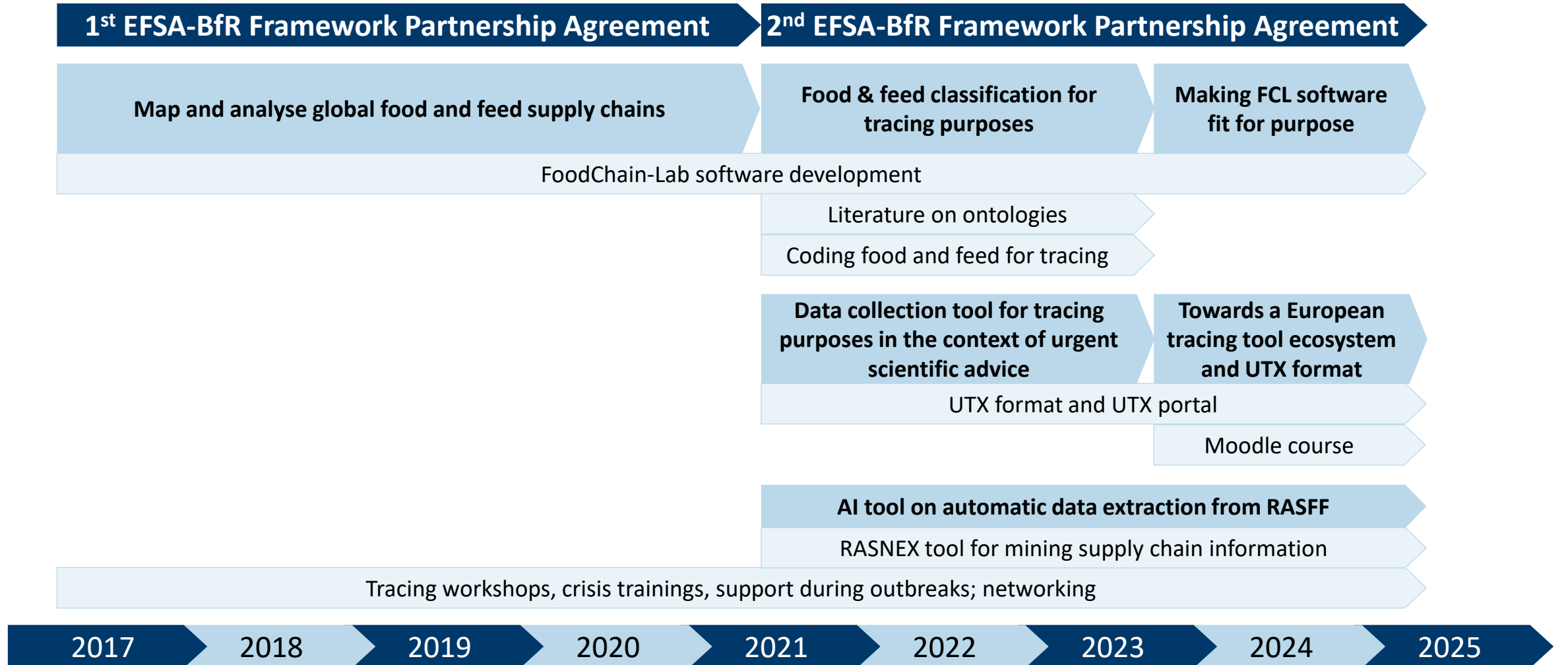
The course clarifies...

- Why the data format is needed for the exchange of tracing data
- The concept behind the new data format
- The properties of the data file

Course material

- Slides, pictures, a video
- Quizzes
- A forum for questions and answers

Projects and topics in the eight years of EFSA-BfR cooperation



Tracing Workshops

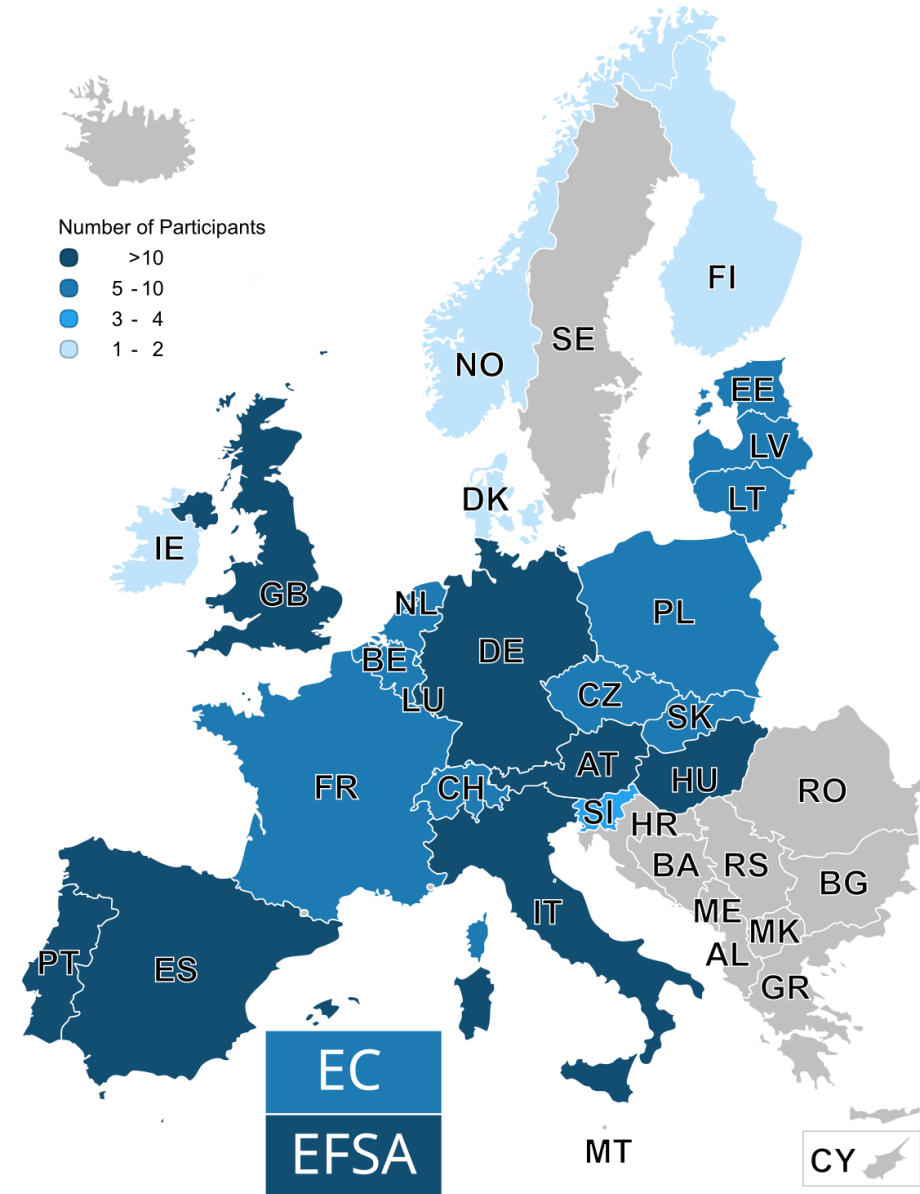
Country-specific workshops

- FCL team visits a EU Member State and conducts a workshop for this MS

Workshops for participants from all EU Member States

- Participants from different EU Member States meet, FCL team conducts a workshop

Thank you for insights into your outbreak investigation procedures and for valuable feedback on FCL!



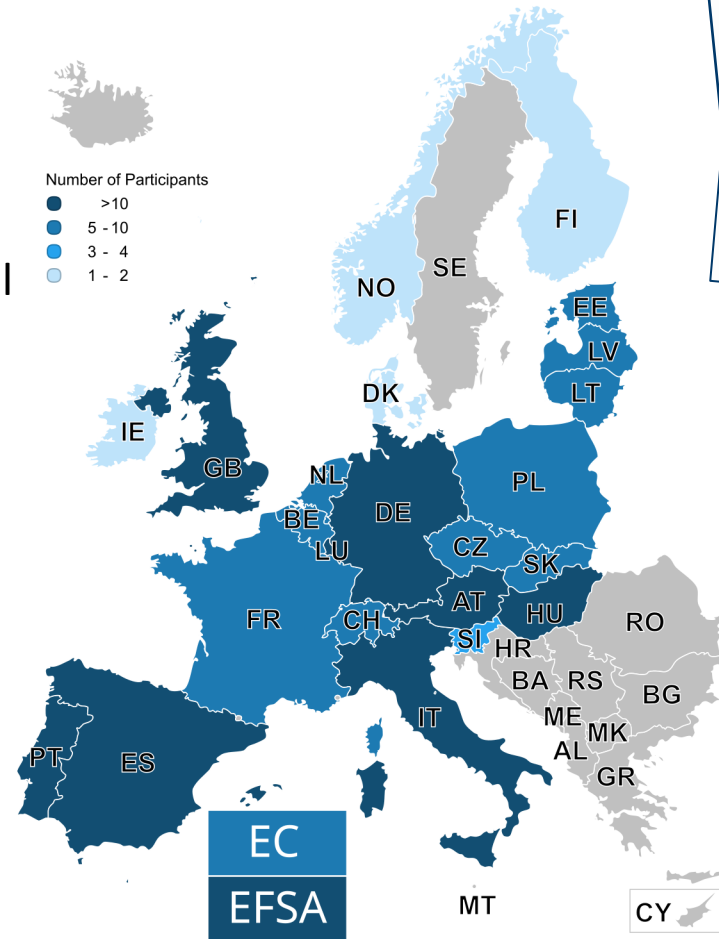
Tracing Workshops

Country-specific workshops

- FCL team visits a EU Member State and conducts a workshop for this MS

Workshops for participants from all EU Member States

- Participants from different EU Member States meet, FCL team conducts a workshop



SURVEILLANCE AND OUTBREAK REPORT
Novel application of the matched case-control design to compare food supply chains during an *Escherichia coli* O157 outbreak, United Kingdom, 2016
 Sarah Foulkes¹, Ashley Sharp⁵, Lara Utsi¹, Chris McBrien⁵, Rehman Teagler¹, Sepeedeh Saleh⁵, Noel McCarthy^{3,7}, Roberto Vivancos^{1,3,8}, Jeremy ...
Epidemiol. Infect. (2018), **146**, 187–196. © Cambridge University Press 2017
 doi:10.1017/S0950268817002874

RAPID COMMUNICATION
Hepatitis A outbreak linked to imported frozen strawberries by sequencing, Sweden and Austria, June to September 2018
 Theresa Enkirsch^{1,2}, Ronnie Eriksson³, Sofia Persson³, Daniela Schmid⁴, Stephan W. Aberle⁵, Emma Löf⁶, Bengt Wittesjö⁷, Birgitta Holmgren⁸, Charlotte Johnzon⁹, Eva X. Gustafsson⁹, Lena M. Svensson¹⁰, Lisa Labbé Sandelin¹¹, Lukas Richter⁴, Mats Lindblad¹, Mia Brytting¹², ...
 1. Public Health Agency of Sweden (EUPHEM), European Centre for Disease Prevention and Control
 2. Euro (ECDC)
 3. National Institute for Infectious Diseases (EUPHEM), European Centre for Disease Prevention and Control
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RESEARCH ARTICLE
Superspreaders drive the largest outbreaks of hospital onset COVID-19 infections
 Christopher JR Illingworth^{1,2,3†*}, William L Hamilton^{4,5†}, Ben Warne^{4,5}, Matthew Routledge^{5,6}, Ashley Popay⁷, Chris Jackson¹, Tom Fieldman^{4,5}, Luke W Meredith⁸, Charlotte J Houldcroft⁴, Myra Hosmillo⁵, Aminu S Jahun⁹, Laura G Caller⁸, Sarah L Caddy⁹, Anna Yakovleva⁵, Grant Hall⁸, Fahad A Khokhar^{4,9}, Theresa Feltwell⁴, Malte L Pinckert⁵, Iliana Georgana⁸, Yasmin Chaudhry⁸, Martin D Curran⁶, Surendra Parmar⁶, Dominic Sparkes^{5,6}, Lucy Rivett^{5,6}, Nick K Jones^{5,6}, Sushmita Sridhar^{4,9,10}, Sally Forrest⁹, Tom Dymond⁵, Kayleigh Grainger⁵, Chris Workman⁵, Mark Ferris⁵, Effrossyni Gkrania-Klotsas^{5,11,12}, Nicholas M Brown⁵, Michael P Weekes^{4,9}, Stephen Baker^{4,9}, Sharon J Peacock^{4,10,13}, Ian G Goodfellow⁴, Theodore Gouliouris^{4,5,6}, Daniela de Angelis^{2,13}, M Estée Török^{4,5}
 Illingworth, Hamilton, et al. *eLife* 2021;10:e67308. DOI: <https://doi.org/10.7554/eLife.67308>

Thank you for your attention!

Project team

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Not shown on the photos: Bernd-Alois Tenhagen, Matthew Salewski, Hanna Hauck, Arne Zerndt



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